## ENGINEERING CHANGE NOTICE DART AEROSPACE LTD

Date: 19.10.08 Job No.:  SE19-1048-01			ADD Voo/No	/ IADD Date:	40.00.05	
Product No.: D130-1048-201				ADR Date:  Approved By:	19.09.05	ECN #: 19- 923
Product Name: EC 130 AFT CROSSTUBE			Checked By:	Approved by:	<del>-4'-</del>	
- Total Tana			Oricence by.—	<del>}</del>		
Reason for Change:						
Update for Outsource Manufacturing						
Documents Released:						
D5610 REV C, D5704 REV B, D130-1048-201 ₹•• . <						
IIN-D130-1048 REV D, ICA-D130-1048 REV 2						
	2					
						•
IF APPLICABLE: NCR: N/A PAR: N/A		CAD	N/A G	ID 11/4		
IF APPLICABLE: NCR: N/A PAR: N/A	4	CAR:	N/A C	IR: <u>N/A</u>	_	URF:
PAPERWORK UPDATE PARTS	MUST	COMPL	Y X F	REVIOUS PART	S SATISFA	ACTORY
	_		<u> </u>			
# Quality Assurance / Customer Support Actions	Reqd	Resp	<u> </u>	Notes		Complete
1 Notify Previous Customers	N					
2 Notify Airbus	N					
3 Notify Leonardo	N			-		
4 Manufacturing Licensing Agreement Update	N					
# Engineering Actions	Reqd	Resp	D57041:	Notes		Complete
5 Required Documents/Drawings/Item ID's Under Review (URF) 6 Update Master Document List (MDL)	Y	NO ZF	D5704 in under review MDL-D130-1048 Rev	<u> </u>		mes. 19.10.10
7 Update Document Record (DR)	N	<u> </u>	MDL-D130-1046 Rev	<u> </u>	mes	for ZF 1910.10
8 Update Product Compatability Matrix	N					<i>V</i>
9 Notify TC / FAA of Change (eg. ICA, 8110-3)	N					
10	<u> </u>					
# Document Control Actions	Reqd	Resp		Notes		Complete
	-					
11 Move / Update Electronic Files / Design Journal	Y	MG		0.0.0		mJ.19.10.10
12 Update Product Specification Files (Bluefiles)	Υ	MG			2	may 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files	Y				. 0	
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications)	Y Y N	MG			<u> </u>	may 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications)	Y	MG			\(\cup \cup \cup \cup \cup \cup \cup \cup	med. 19.10.10 med. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database	Y Y N N Y	MG MG				may 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database	Y N N Y	MG MG	No change	(f° 19/14/14		med. 19.10.10 med. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP)	Y	MG MG	YO CHANGE	4 14/14/10		med. 19.10.10 med. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)?	Y N N Y	MG MG MG				mot. 19.10.10 mot. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database	Y Y X X X X X X X X X X X X X X X X X X	MG MG MG MG	がく出れり名を D5610 TO BE SENT T		ROLLED COF	mod. 19.10.10 mod. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder	Y	MG MG MG MG MG			ROLLED COF	mot. 19.10.10 mot. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders	Y Y N N N Y Y Y	MG MG MG MG			ROLLED COR	mot. 19.10.10 mot. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder	Y	MG MG MG MG MG			ROLLED CON	mot. 19.10.10 mot. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	Y Y N N N Y Y Y	MG MG MG MG MG			ROLLED CON	mot. 19.10.10 mot. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)  Description / Action:	Y N N N Y N N Y N N Y N N N N N Y N	MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25	Y N N N Y N N Y N N Y N N N N N Y N	MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)  Description / Action:	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MC MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10 mol. 19.10.10 mol. 19.1010 mol. 19.1010 mol. 19.10.10
12 Update Product Specification Files (Bluefiles) 13 Update Approved/Preliminary Dwg PDF Files 14 Update Product Development Summary (STC applications) 15 Update QSI 021 (TC/FAA STC) and/or STC Approval List 16 Create/Update Parts / STC Database 17 Update / Verify Authorized Release Certificate Database 18 Create / Update Change Record Form / Item Card Database 19 Create / Update Packaging Process Plan (PPP) 20 Red Decals required on Packaging Process Plan (PPP)? 21 Update Controlled Supplier Documents (Qpulse) Database 22 Update Grey Project Binder / Electronic Project Folder 23 Update D-Part / M-Drawing / DSI / DEO Master Binders 24 Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's) 25  Description / Action: Update to Add D5704-041 brackets to D130-1048-201 Aft Crosstube Assembli	Y Y N N N Y N N Y N N N N N N N Y Y N N O N N N N	MG MG MG MG MG MG MC MG MG MG MG	D5610 TO BE SENT 1	O PARKER (CONTR		mol. 19.10.10  mol. 19.10.10  mol. 19.10.00  mol. 19.10.00  mol. 19.10.10